Adventures in Aeronautics			
2007 Mathematics			
Grade and Course Level Expectations			
Missouri Mathematics			
Grade 3			
Activity/Lesson	**State**	**Standards**	
Adventures in Aeronautics	MO	MA.3.N.2.A.1	Represent/ model a given situation involving multiplication and related division using various models including sets, arrays, areas, repeated addition/subtraction, sharing and partitioning
Adventures in Aeronautics	MO	MA.3.N.2.B.1	Describe the effects of adding and subtracting whole numbers as well as the relationship between the two operations
Adventures in Aeronautics	MO	MA.3.N.3.A.1	Represent a mental strategy used to compute a given multiplication problem up to 9 x 9
Adventures in Aeronautics	MO	MA.3.N.3.B.1	Use strategies to develop fluency with basic number relationships (9 X 9) of multiplication and division
Adventures in Aeronautics	MO	MA.3.N.3.D.1	Estimate and justify sums and differences of whole numbers
Adventures in Aeronautics	MO	MA.3.A.3.A.1	Model problem situations, including multiplication with objects or drawings
Adventures in Aeronautics	MO	MA.3.M.1.A.1	Identify, justify and use the appropriate unit of measure (linear, time, weight)

Adventures in Aeronautics			
2007 Mathematics			
Grade and Course Level Expectations			
Missouri Mathematics			
Grade 4			
Activity/Lesson	**State**	**Standards**	
Adventures in Aeronautics	MO	MA.4.N.1.A.1	Read, write and compare and whole numbers less than 100,000
Adventures in Aeronautics	MO	MA.4.N.2.A.1	Represent and recognize multiplication and related division using various models, including equal intervals on the number line, equal size groups, distributive property, etc.
Adventures in Aeronautics	MO	MA.4.N.2.B.1	Describe the effects of multiplying and dividing whole numbers as well as the relationship between the two operations
Adventures in Aeronautics	MO	MA.4.N.3.A.1	Represent a mental strategy used to compute a given multiplication problem (up to 2-digit by 2-digit multiple of)
Adventures in Aeronautics	MO	MA.4.N.3.D.1	Estimate and justify products of whole numbers
Adventures in Aeronautics	MO	MA.4.M.2.A.1	Select and use benchmarks to estimate measurements (linear, capacity, weight)

Adventures in Aeronautics			
2007 Mathematics			
Grade and Course Level Expectations			
Missouri Mathematics			
Grade 5			

Activity/Lesson	State	Standards	
Adventures in Aeronautics	MO	MA.5.N.1.A.1	Read, write and compare whole numbers less than 1,000,000, unit fractions and decimals to hundredths (including location on the number line)
Adventures in Aeronautics	MO	MA.5.N.3.D.1	Estimate and justify products, and quotients of whole numbers and sums differences of decimals and fractions
Adventures in Aeronautics	MO	MA.5.G.2.A.1	Use coordinate systems to specify locations, describe paths and find the distance between points along horizontal and vertical lines
Adventures in Aeronautics	MO	MA.5.M.1.B.1	Identify the equivalent weights and equivalent capacities within a system of measurement